



STATE OF MICHIGAN  
DEPARTMENT OF EDUCATION  
LANSING

RICK SNYDER  
GOVERNOR

BRIAN J. WHISTON  
STATE SUPERINTENDENT

**MEMORANDUM**

**DATE:** September 26, 2017

**TO:** State Board of Education

**FROM:** Brian J. Whiston, Chairman

A handwritten signature in black ink, appearing to read "Brian".

**SUBJECT:** Approval of Criteria for Section 99s(6) and (7) – Michigan Science, Technology, Engineering, and Mathematics (MiSTEM) Network Regions

Under Section 99s(6) and (7) in the fiscal year (FY) 2017-2018 School Aid Act, \$1,400,000 is provided to fund the MiSTEM Network Regions. Each established MiSTEM Network Region will receive funding in an amount equal to 50% of the state funding amount allocated to the mathematics and science centers located within that region, to allow the MiSTEM Network Region to begin operating by April 1, 2018. For former mathematics and science centers with territory in more than one MiSTEM Network Region, the amount allocated will be divided proportionally.

It is recommended that the State Board of Education approve the Criteria for Section 99s(6) and (7) – MiSTEM Network Regions, as attached to the State Superintendent's memorandum dated September 26, 2017.

**STATE BOARD OF EDUCATION**

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## MICHIGAN STATE BOARD OF EDUCATION

### Criteria for Section 99s(6) and (7) - MiSTEM Network Regions

The State Board of Education has adopted guiding principles and strategic goals for developing Michigan into a top 10 education state in 10 years.

To the extent possible, all grant criteria and grant awards will serve to further attain the above goals.

### **GUIDING PRINCIPLES AND STRATEGIC GOALS THIS CRITERIA SUPPORT**

This grant supports the guiding principles and strategic goals of the State Board of Education (SBE) and Michigan Department of Education (MDE) by creating a strong alignment and partnership with job providers, community colleges, and higher education to assure a prepared and quality future workforce, and informed and responsible citizens; in support of Strategy 6.4: Align P-20 providers' efforts with business/industry and workforce development agencies to support job training and soft skills so students are career-ready. This grant also supports and coordinates opportunities for every student in Michigan to engage in a well-rounded learning experience, in support of Strategy 2.6(c): Develop a P-12 system wherein every student in Michigan is able to engage in integrated science, technology, engineering, and mathematics (STEM) programming.

### **PURPOSE / BACKGROUND OF GRANT**

Type of Grant Program:

- |   |   |                                  |
|---|---|----------------------------------|
| <input checked="" type="checkbox"/> New | <input type="checkbox"/> Continuing   | <input type="checkbox"/> Formula |
| <input type="checkbox"/> Competitive    | <input checked="" type="checkbox"/> Designated in Legislation or MDE Proposal |                                  |

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### **CRITERIA**

Date criteria were last approved: \_\_\_\_\_ N/A \_\_\_\_\_

Source of Criteria:

- |   |   |
|---|---|
| <input type="checkbox"/> Federal Law, Rules or Regulation | <input type="checkbox"/> Proposed by Staff                                      |
| <input checked="" type="checkbox"/> State Law or Rules    | <input type="checkbox"/> Defined in MDE's Approved Grant Proposal to the Funder |

Grant funding is based on the following requirements:

- (1) The MiSTEM Network Region will begin operating by April 1, 2018.
- (2) A MiSTEM Network Region will do all of the following:
  - a. Collaborate with the talent district career council that is located in the prosperity region to develop a regional strategic plan for STEM education that creates a robust regional STEM culture, that empowers STEM teachers, that integrates business and education into the STEM network, and that ensures high-quality STEM experiences for pupils. At a minimum, a regional STEM strategic plan should do all the following:
    - i. Identify regional employer need for STEM.
    - ii. Identify processes for regional employers and educators to create guided pathways for STEM careers that include internships or externships, apprenticeships, and other experiential engagements for pupils.
    - iii. Identify educator professional development opportunities, including internships or externships and apprenticeships, that integrate this state's content standards into high-quality STEM experiences that engage pupils.
  - b. Facilitate regional STEM events such as educator and employer networking and STEM career fairs to raise STEM awareness.
  - c. Contribute to the MiSTEM website and engage in other MiSTEM network functions to further the mission of STEM in this state in coordination with the MiSTEM advisory council and its executive director.
  - d. Facilitate application and implementation of state and federal funds and any other grants or funds for the MiSTEM Network Region.
  - e. Work with districts to provide STEM programming and professional development.
  - f. Coordinate recurring discussions and work with the talent district career council to ensure that feedback and best practices are being shared, including funding, program, professional learning opportunities, and regional strategic plans.
- (3) Each grant recipient will allow access for MDE or the MDE's designee to audit all records related to the program for which it receives grant funds. The grant recipient shall reimburse the state for all disallowances found in the audit.
- (4) Each grant recipient will provide at least a 10% local match from local public or private resources for the grant funds it received.
- (5) Not later than July 1, 2019 and July 1 of each year thereafter, a MiSTEM Network Region will report to the executive director of the MiSTEM network on performance measures developed by the MiSTEM Network Regions and approved by the executive director. The performance measures will be designed to ensure that the activities of the MiSTEM network are improving student academic outcomes.
- (6) Not more than 5% of a MiSTEM Network Regions grant may be retained by a fiscal agent for serving as the fiscal agent of a MiSTEM Network Region.

## **ELIGIBLE APPLICANTS AND TARGET POPULATION SERVED**

Eligible applicants are regions defined by the MiSTEM Network and using fiscal agents. Fiscal agents within each region will be an intermediate school district, a university, or another organization that served as fiscal agent within the Michigan Mathematics and Science Centers Network.

The target population is students from public schools across the state of Michigan.

## **TOTAL FUNDS AVAILABLE**

\$1,400,000

## **STATUTE**

Sections 99r and 99s(6) – (11) of Public Act 94 of 1979, State School Aid Act, as amended.

## **OFFICE ADMINISTERING GRANT / PROGRAM CONTACT**

Office of Education Improvement and Innovation:

Director:	Linda Forward	517-241-3147
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Program Contact:	Ruth Anne Hodges	517-241-2219
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